

Abstract

5

Method and Device for the Automatic Recognition
of Distorted Speech Data

10
15
20

A method and a device for processing distorted short-term
speech spectra for automatic speech recognition is described.
The method comprises providing a set of reference speech spec-
tra, determining the reference speech spectra of the set of
references speech spectra which corresponds to the distorted
short-term speech spectra, estimating a frequency response
taking into account both the distorted short-term speech spec-
tra and the corresponding reference speech spectra, and compen-
sating the distorted short-term speech spectra based on the
estimated frequency response.

(Fig. 1)

6022

25